



SEQUENCE LISTING

<110> Stanton, Jr, Vincent P.

<120> METHOD FOR GENETIC ANALYSIS OF APOE DNA
AND USES THEREOF

<130> 11926-022001

<140> 09/967,013

<141> 2000-10-25

<150> 60/206,613

<151> 2000-05-23

<160> 91

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<221> misc_feature

<222> (1)...(11)

<223> n = A,T,C or G

<400> 1

gcnnnnnnng c

11

<210> 2

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<221> misc_feature

<222> (1)...(14)

<223> n = A,T,C or G

<400> 2

ncgannnnnn tgcn

14

<210> 3

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<221> misc_feature
 <222> (1)...(11)
 <223> n = A,T,C or G

<400> 3
 gagtcnnnnn n

11

<210> 4
 <211> 11
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(11)
 <223> n = A,T,C or G

<400> 4
 ccnnnnnnng g

11

<210> 5
 <211> 41907
 <212> DNA
 <213> Homo sapiens

<400> 5
 acctgacgtc aggagttcca gaccaccctg gctaacaagg tgaaaccctt tctctactaa 60
 aaacaaaaat aagccaggca tgggtgacat gtcctgttaa tcccagctat tcaggaggct 120
 gaagcaggag aatcgcttgg acccaggagg cagaagttgc aatgagctga gaccacgccca 180
 ctgcactcca gcctaggcaa cagagcaaga ctccgtctca aaaaagaaaa aggccgggtg 240
 cggttgctca cgctgtaat ccagcactt tgggaggcca aggcagggtg atcacctgag 300
 gtcaggagtt ccaagaccag cctggccaac atggtgaaac cctgtctcta ctaaaaatta 360
 caaaaattag ctgggcgtgg tggcggggcg ctgtaatccc agctacttgg gaggtgagg 420
 caggagaatc gcttggaccc gggaggcaga ggttgacgtg agcccagatt gcaccattgc 480
 acaacagcct gggagacaag agcaaaactc cgtctcaaca acaaaaaaaaa acagaatgaa 540
 agaaaattga ttatctacat ttgtctgata ctgtgcctga agctgggaca agacaaatca 600
 agtcactccc ctacgtgggtc tactggaggt caggggtcag aactgaggt tgcgctcaag 660
 gttcaaagga ctgttttagag cccaagggtta agtatttgag gtcaagactg aggtgaaagg 720
 ttcatgggga aagatttgca gagatcgagt gtcaaaagtg agtcccagga ttaacagggt 780
 gagttgcacg agctgggctt tgggttaagg aagggtgaa tgaatgtccc agtgcaatat 840
 ggccctcagg gacaaggagt gaggtggcat cttgttggca tggggagaga gcggtcagga 900
 ttttggggtc aagagcagat tggtaatctg tgtcgtgcgt aggaagtgat cttgagttcc 960
 tgtcctctct ctacctccag gaaatgcctc gataccatga gctgccacc ttggaagaac 1020
 ggtcaggacc cttgcacctt ggagccacaa gcttggggtc ccccatcccg gtgcctccag 1080
 ggccacctgc tgtggaagac gtttccctgg atctagagga tgaggagggg gaggaggagg 1140
 aagagtatct ggacaagatc aaccccatct atgatgctct gtccctatagc agcccctctg 1200
 attcctacca gggcaaaggc tttgtcatgt cccgggccat gtatgtgtga gctgccatgc 1260
 gcctggcgtc tcacatctca cctgttgatc ccttagcttt cttgccagg atctagtgcc 1320
 ccctgacctc tggccaggcc actgtcagtt aacacatatg cattccattt gtgatgtcta 1380
 ccttggtggc tccactatga cccctaacc atgagccag agaaattcac cgtgataatg 1440
 gaatcctggc aaccttatct catgaggcag gaggtgggga aggtgcttct gcacaacctc 1500
 tgatcccaag gactcctctc ccagactgtg acctagacc atacctctca ccccctaag 1560
 cctcgactcc ccaaaaatca caaagaagac cctagacctt taatttgtct tcaggtagta 1620
 aattcccaat aggtctgctg gagtgggcgc tgagggtccc ctgctgctca gacctgagcc 1680

ctccaggcag	cagggtccca	cttaccocct	ccccaccctg	ttccccaaag	gtgggaaaga	1740
ggggattccc	cagcccaagg	cagggttttc	ccagcacccct	cctgtaagca	gaagtctcag	1800
ggtccagacc	cttccctgag	ccccacccc	caccccaatt	cctgocctacc	aagcaagcag	1860
ccccagccta	gggtcagaca	gggtgagcct	catacagact	gtgccttgat	ggccccagcc	1920
ttggggagaag	aattttactgt	taacctggaa	gactactgaa	tcattttacc	cttgcccagt	1980
ggaataggac	ctaaacatcc	cccttcocggg	gaaagtgggt	catctgaatt	gggggtagca	2040
attgatactg	ttttgtaaac	tacatttcct	acaaaatatg	aattttatact	ttgaccaggt	2100
cttgccctttt	ctgtgggatg	tgaaggggat	ggggtgagac	atgaagggga	atgaggaagg	2160
agtctaaggg	cttgagagaa	tcagtgaact	ggggtcaaga	gagttaaaga	caaaaacaaa	2220
gggaccaaag	atacaaaaata	agaattgaga	gagtaatgag	caaaaatgta	tcaatcaaaa	2280
acaaaatttt	tttttttttt	gaggcggagt	ctcgctctgt	cgcccagggt	ggagtgcagt	2340
ggcatgatct	cggctcactg	caagctccac	cttctgagtt	aacgccattc	ctctgcctca	2400
ggctcccgag	tagctgggac	tacaggcgcc	caccaccacg	cccggcttat	tttttgatt	2460
tttagtagag	acggggtttc	accgcgttag	ccaagatggg	ctcgatctcc	tgacctogtg	2520
atccaccctg	ctcgccctcc	caaagtgcctg	ggattacagg	cgtgagccac	tgcgcccagc	2580
cctaaaaaca	gaatgttgag	taatggaatg	gggaggggtc	cagggcatgc	tgtttaatga	2640
acattcataa	ttgcaacagc	agtatgatga	atgggacaaa	gataaaaaata	gcaattggcc	2700
agatgcagtg	gctcattect	gtaattccag	cacttcggga	aactgaggcg	ggaagctcga	2760
ctgagtcag	gagttaagag	accagcctgg	gaaacacagt	gagaccccg	ctctacgaaa	2820
gtagccggg	cgtgtggca	cgcacctgta	gttcagctac	tctggaggct	gaggtaggag	2880
gatcgattga	ggccagaagt	tcaaggctgc	agtaagctat	gatggcgcca	ctgcactcca	2940
gcctgagtga	cagagtccaa	ccttgtcttt	aaaaaaataa	aaattaaaaa	agcagtaacg	3000
aaagtataag	aggctcaagt	ttaatgaata	aacggcaagt	aaaagtagac	taaaggcaaa	3060
atcatgaata	atgttgtaat	aggagcccaa	ggcatgacgg	ataataaacc	tgaatgaatg	3120
ggccagaggg	agagtgatga	ataatggaaa	aatagggacc	gggggcaagg	gaggtaacgg	3180
acaggagttc	atggatccaa	aacatgatgg	ctaattagag	aagggccgga	agaacgacga	3240
aagtgagcag	gcaggctgga	gctaaaagta	gtctgggcaa	tgaagctcaa	atgaatgggg	3300
cagaggcatg	atgggtaatg	ggagaggaat	gaatgggcca	aagatagaag	ccgcagtgac	3360
gcgaggaaca	agaggcatga	tgggtaacga	aagggtggg	tctaaggcaa	ctgtttcgct	3420
aagaggtgat	gagggcattg	tgggtaacga	ggagcagcgc	agggttcgca	gaacagatta	3480
gaattctccc	gaggcactct	gggaagggcc	agcacttcctg	gttttaggtc	ggctactccg	3540
aaccagaggt	gggggtgggg	cccggtgcc	gcggtgcctg	gtgggacgcg	aggcctgacc	3600
ttgctgccta	gccgcctctg	ccgcgcaacc	cacctttacc	tgctcctcga	ccctggaacg	3660
ttagccaatg	agagtaccaa	gctgatacgc	caccaaggte	gaccccgtag	acgctggagc	3720
caatcaaaat	gctgcaaggg	tcaaagccga	ccaattatca	cagcaacctc	gccgcggggc	3780
ggaatcaaaa	gagggcctcc	tccaggagag	aggcggggcg	atgcctcagc	gggcgtggca	3840
aaatgctcag	cacagaccaa	tggcgggtta	gcaccggaac	ccgcggcgac	gcgagccaat	3900
aggcgcagcc	gctgcgagcc	aatgggaagg	gtgggagggg	cgccgtggct	accctgcgag	3960
tgagaacca	tacaaaagga	catttcaggg	aaagtggcg	ggactttatg	cacaagtcca	4020
atgggaagac	cgagtcttga	cgctggtggg	cgggcctcag	ggcacactaa	accaatgggc	4080
taggtggggc	ggggcgacgg	tgggtggcggc	ggcggcagcg	ggttcggttg	cgcggtggcg	4140
acggggtggg	agcggagccc	aggccgggag	caggcgccgc	cgccagtgag	aaccggggcc	4200
ggagccgggt	gcggtatttg	tggggctgag	tcgggggcgc	gcgggccttg	acctctgccc	4260
tctgacctct	cccctagcag	gogaccatgg	ggaacgtgtt	ggctgccagc	tcgcgcgccg	4320
caggggccgc	accgcgcctc	gcgcggggcc	tcgtggggct	gccgccacct	ccgcctcgc	4380
cgccgggctt	cacgctgcog	cogctgggag	gcagcctggg	cgccggcacc	agtacgagtc	4440
gaagtctcga	acggaacccc	ggggctgcaa	ccgccagcgc	ctcaggggce	gccgaggatg	4500
gggcctgcgg	ctgcctgccc	aaccgcggca	cattcgagga	gtgccaccgg	aagtgcaagg	4560
gtgaggggcg	aggggcccc	gctgggctgc	gatggcctgg	atctcggggg	aagggggagg	4620
acactgggga	ctctgggatt	tggcgcgcac	catttgaatt	atttaacagc	actaggaggt	4680
gatgttgga	togaatgggtg	gaacgttgga	cttggggctt	agaatgatgg	aatcaaatgc	4740
tggaaacggg	atggaatgtc	atagcagtag	agaaaagcct	ttagggacct	gaggagcccc	4800
gggatcagcc	aagccagact	tctcttgtga	tcgggaaggc	aactgaggcc	caaggtcacg	4860
gtgtcagcaa	ggtgtcagcg	aggttccttg	ggtatgggac	ccaaagcctc	cggatcccag	4920
cctggagcaa	ttagagtagt	agtagtggtg	gagatttatg	gagttctgtt	ctggtgttca	4980
ttatacgtta	actcattaga	tccttgggac	aattctgtgt	ggtgagggtc	ccatctttca	5040
gatgatgagt	ttgacctaaa	gttgctcagc	ttgggtggcag	tgagatttga	gcaagcaaa	5100

gccctggccc	tgtctaaacta	ggctgtactg	cctctttaca	ggtggaatcc	tttgtgagat	5160
gttctgctgt	gggtctctg	agagagctgg	gggtggtagg	gaaggaagag	atgagagttg	5220
gtgtggggtt	ggagtggagt	gtgacagcgt	ttctcttctc	cagagctggt	tccattcag	5280
atggagggtg	tcaagctcac	agtcaacaaa	gggttgagta	accattttca	ggtgagcctt	5340
cctggtgtcc	ttaccaccca	gagatcgccc	ccgcggtccc	cctccctgca	tctgcacact	5400
cggcccaatt	actcctccct	caagagctgg	gctccctgat	acttgaaaag	actcggagat	5460
atagtgccag	actgactact	cagtttgggg	acctagaatc	cagaggtact	gtctcccat	5520
agcagctagg	ctggagtga	ggaacaggtc	tgtgggctta	ccggcagcac	ctcctttctc	5580
tgagtctctt	agtcaggccg	tgctccccag	tcttcatccc	ctgcccagcc	cagagacctt	5640
gtccttgccc	tcttcagtgg	gcaagcctat	ctgtccagta	tctgacacgc	tctcgttttc	5700
cttcaggtc	aaccacacag	tagccctcag	cacaatcggg	gagtccaact	accacttcgg	5760
ggtcacatat	gtggggacaa	agcagctgag	tcccacagag	gtgagcttcc	tttttcatcc	5820
attcattgta	tccttcta	aacaaatttg	tagccaaatg	tcaagctaag	acggcctcat	5880
caggaaaagg	tcacagctac	cgagagcctg	gagatgggga	ttgcatctct	ccgaggtgca	5940
ctgggacaca	aataattcct	tcatccagca	aacatccgcc	aaaccctgc	tctctgcctg	6000
gccccatgct	gagcagtgt	gggatgtgg	ccacagccac	cctgtcacca	gacagcgatg	6060
accaggggtg	gaaagggctg	gactgtagat	catgcagaac	tttgaatgcc	agactaggct	6120
ttggactttc	tctaggggtg	tgtggagagt	catggcatgg	tttggtaag	ggaaagacgt	6180
ggtccacagg	ttcccgtgt	agaaatctct	ggggcatctc	tgggtgggcc	atgtgggggc	6240
tagttattag	gaagggcaaa	actggaggcc	cagacagggt	tggggggact	gaatgaggtc	6300
tctgcttctg	tcatttccct	tcagcaaatg	tgtttattct	gcaaaccctc	attgcacaac	6360
acattctgtg	cccagccctg	tgctggcaca	catgactgaa	acagcatggg	actcaccctg	6420
ggggcagggg	acagactggt	cccagagagt	aacaagccag	gatgggcaag	gctgacatgg	6480
gggaacccaa	aggtcgggga	gcctaactca	gcttaggtgg	tcagagagca	cttcgtggag	6540
gaggggaccc	ccatccgagg	ctttctgacc	ctaggcttct	caccccggcc	catctcacat	6600
acttgcacag	tgacaccact	ctgacccctt	ccgttctctc	tgctcacag	gcgttccctg	6660
tactggtggg	tgacatggac	aacagtggca	gtctcaacgc	tcaggtcatt	caccagctgg	6720
gccccgggtc	caggtccaag	atggccatcc	aggtgagtgg	ggcacggagg	ctgtgtctcc	6780
cctcggccac	cgtgagcagg	gagccgcctc	cacaccctct	cctctccaca	gaccagcag	6840
tcgaagtttg	tgaactggca	ggtggacggg	gagtatcggg	gctctgactt	cacagcagcc	6900
gtcacccctg	ggaaccagga	cgtcctcgtg	ggttcaggta	agaggcggag	ggcttgaggg	6960
gtggtcacaa	aactgcagtt	ctggcctttg	cagcaaatcc	acccatttg	tgaacctcct	7020
tttctgccac	tggagaagtg	gctcagcagg	agtgttttg	aaacatcagg	caacatacta	7080
cagtgggtga	gacggtcacc	cactgaccat	gagtgggtga	gtcagagcag	tctttttttt	7140
tttttttttt	gagatggagt	cttgctttat	caccaggtt	ggagtgcctg	ggcacgatct	7200
tggtcactg	caacctccat	ctcctgggtt	catgcaatc	tcctgectca	gcctcccgag	7260
tagctgggat	tacaggcatg	cgctaccacg	cctggcta	ttttgtattt	ttagtagaga	7320
cagggtttca	ccacattggt	caggctgggt	ttgaactcct	gacctcaagg	gatccacca	7380
cctcagcctc	ccaaagtgt	gggattacag	gtgtgagcca	ccacgcccag	ccagtcagcg	7440
caatttttaac	tgagattttc	ttttgtatta	aaaaatgttt	taagatgggg	tcttgctgta	7500
ttggccaggc	tgggtcttgg	actcctggct	tcaagcaatc	ctccacctt	gaccttccaa	7560
agtgtctggga	tgacaggcgt	gagccacctc	gcctggccag	ggaaacagct	tttcagcctg	7620
caagtagtgc	agtcgggact	cgtgaaagga	acttgaggga	ggatgggtccc	ctggttgcat	7680
aaggctttgc	agagccttgg	ccttcgctct	gagttagtct	ggggctttcg	gaaaccaagg	7740
catagcttct	cacaggaccc	tgacgtggc	gtagagagca	gactccaaag	gggtaccac	7800
tgggagggag	tggacgggga	gaggaggttg	gattctggat	gttgtttgaa	ggcagagctg	7860
ccaggattttg	ttgagacogg	atggaggcga	tgactctgta	gtttttggct	ggaactggaa	7920
ggatggagtt	toggattgoc	agctttgtgt	ctttgtgcag	ccatccactg	tgtcgtggag	7980
agcaggctct	tgagcgtga	gtcctgagtg	aatgactcgt	gcaggcgggg	aggggagcta	8040
gggttggcct	tggacccctg	ggagtgccta	gggagagtca	ccacttctcg	ctgcaggagc	8100
ccaggggagac	tcaaaagtgt	tgacttttga	gctgccagag	gaggagaagg	ggctaccccg	8160
gctgggggac	aggagcaaga	agattccagg	cagggagaag	caggaacagg	ggtgagggaa	8220
gggaagggcc	atggcagaaa	acccaggaga	cagggaagct	ggaggtgcag	caggtgcaga	8280
gaggcctcct	aggtgaggct	gatctgttag	ggccccatga	ggaagaaaca	tttctgttcc	8340
ccaactcacc	tggtgacatc	acccatctt	ctcatatcct	acagtgaac	cacatgagcc	8400
ttttttgttg	gtttgttttt	gtttttgaga	cggagtcttg	ctctgttgcc	caggctggag	8460
tgctgtggtg	caatctcggc	tactgcaac	ctctgcctcc	ctggttcaag	cgattctcct	8520

gcctcaggct	ccctagtagt	cctagtagct	gggactacag	gcgcgcgcga	ccatgcctgg	8580
ctaattttt	tatttttagt	agagacaggt	tttcgccatg	tcggccaggc	tgatctcgaa	8640
cttcttacct	caagtgatcc	acccgccccg	gcctcccaaa	gtgctgggat	tacagggtgtg	8700
agccaaccgc	ccggccgcac	catgcaagct	tttctgacgg	ttcctgaaac	caccgagttg	8760
gttctacccc	aggaccgacg	cacactctgt	ccctgtctga	tggaattctt	ccctctggtc	8820
ttgacatgac	tgggaaggct	tgctgctgca	tgctgccctc	tgctgtccac	cattgtcccc	8880
atcttgcaag	gccaaagagga	ggttctccac	taagggcaca	tggccagtgg	gactccagtg	8940
tcctgtctct	tcacggcgcc	agcaaccccc	ttccctgtgc	cgctctgctc	gcctggctct	9000
ttcgtgtctc	ccagcactgg	cctcctggag	cccagggccca	ccagtgaagg	tttggctctc	9060
agtcttttcc	agtgcctctt	ccttccccc	gacaccagtg	agaacagggc	ctgccgtgtg	9120
ccggctcagg	ctgagctctc	gagctctctt	ccaccaacag	ctccgacttg	acccaggggtg	9180
tctctacctc	caggcggtct	tgtagcctcc	ggcaagtggg	tccagccctt	ctgggcttca	9240
gtctcctcat	ctgtcacttg	ggcacaatag	aagcaactac	ctcccagtga	aggagtccat	9300
gagaggggccc	gacttctcgg	cctcagcact	gggccacatg	cacagtcacc	acttgcctca	9360
ctctggcatc	tccatgggga	caatgccgcg	aggcaccccc	atttcacaga	taaggaaagc	9420
gaggcccaag	ggtgaaatca	gttgcccagg	gtgacacagc	caggaagcag	aggagctggg	9480
atttgaatgg	aagcttaatt	caggagcccc	tgagcctccc	cagccctctc	caatggtgac	9540
agctcctttt	ctgcttcact	ctgagcacct	catgtgtgcc	cagccctggg	ctgggacaca	9600
gcagtgaacc	agacagccca	ttcctgcccc	catgggggtc	ccaggtcagg	cacagtggct	9660
cacacctgta	atccccagac	tttgggaggc	tgagggtggc	ggatcgcttg	agatcgggag	9720
ttcaagatca	gcctgggcaa	catagcaata	ccctgtctct	acaaaaaaaa	ttagaaatta	9780
ggcatatggt	ggtacatgcc	tgtagtccca	actactgggg	acgctgagct	ggcagggcac	9840
atgcctatag	tcccagctac	ttgggagcct	gggaaggggg	agtgggttcta	ttctgaagct	9900
gaggccaagc	catccaaggc	cttgccaggtg	tgctgaggaa	cccatatctt	ctcagggcac	9960
gaggggagcca	tggcaggttc	tgggcagggg	gtcaacaggg	tcaggtttgt	gctttaacat	10020
gatccctctg	tctgtctgtc	gtgaggtcac	ttgaagttgg	ggcatgagac	tagagaggag	10080
gctgtgggta	gagaaaactg	gggggtggcc	caggagatgg	gaaggatggt	tagaaaagata	10140
cttgagggtc	tcatggcctc	agttccaaca	gtccctggaa	ctcagaggcc	agagattcta	10200
agtcactcac	tctagatggc	tgcttttccc	tctgggcttc	agtctcccc	ttgattgaat	10260
gaggggataa	cactgaccag	agtggtaatg	gtagtgtatt	tttttttctt	ttcttcccc	10320
gccccacctc	acatacctct	gcccgtgagc	gcagtctctg	ttggccaggc	cagagtgcag	10380
tggcacagtg	tcagctcacc	tcaacctcca	ccttctgggt	tcaagtgttt	ctcctgcctc	10440
agcctcccaa	agtgccagga	ttacaggcgt	gagctactgt	gccccgcccc	tgtgatgggtg	10500
attcaacaac	cagtgggggg	ttcggggatt	catttgcttc	atctcctctg	ggaaggagag	10560
tcacacagtc	gcttgcccga	gcccattggg	accagctgca	gcctacttct	gatctcagcc	10620
tccccagaag	atgccaccag	ggcactggcc	atgaactcac	ggcctctctc	acaccacca	10680
ggctcatctt	gggggttgcc	gcctaactct	cagccctctc	gagagctcca	cccagccatg	10740
cctgcaggta	tgaaaggccc	ctattcctgc	agctggctcc	agctggctcc	aggctggctc	10800
catgctagca	ggccagcctg	ctcccactgt	ggggccctta	gtctgcccct	ctggctcatct	10860
tggtctggga	agcatcttgc	cacctgcttt	gctctgtgct	gtctcagctt	ctctgtgtgc	10920
cctcagtctc	gtggccccc	acctcccttc	ccttctccac	gtgtcttctc	ctccagggtc	10980
gcaccctagg	agattgctcg	atcgtgggtg	atttctcaac	tgtgaatctt	cagtcctctc	11040
tcccccttca	tttctgtctc	tgcagatgtg	ttgtttcttt	tttttttttt	cttttttttt	11100
tttttttgtc	tttttgagat	gaagtcttgc	actgtctccc	aggctggagt	gcagtggcac	11160
aatcacaaat	tcagcttact	gcaacttccg	cctcccggtt	tcaagcgatt	ctcctgcctc	11220
agcctcctga	gtagctgggc	ctacagggtg	caccaccaca	ctcagctaata	gtttgtattt	11280
ttagttagaga	cagggttcac	catgttgccc	aggctggtct	cgaacctccg	acctcagacg	11340
atccacccac	ctcagcctcc	caaagtgtct	gaattacagg	tgtgagccac	cgtgcccagc	11400
ctcttttttt	cttttaaaaa	tttttttaggc	cgggcagcgg	taggctcatg	cttgtaatcc	11460
cagcactttg	ggaggccgag	gcaggcggat	cacgagggtca	ggagatcgag	accacggtga	11520
aaccattctc	ctactaaaaa	tacaaaaaat	tagccaggca	tgggtggcgg	ctcctgtagt	11580
cccagctact	cggagaggct	gaggcaggag	aatggcgtga	agccgggagg	tggagcttgc	11640
agtgagccga	gatagtgcga	ctgcactcca	gcctgggcga	cagagcgaga	ctccatctca	11700
aaaaaaaaaa	aaaaaaaaata	aatttcttat	tttttgaaac	aggatctctg	ttgcccacgt	11760
tggagtgca	tggcgtgac	atagctcagt	gtaccttgac	cttctgagct	caagtgtacc	11820
tccgtcctca	gcctcccaag	tagctgggac	tataagcatg	tgccatcatg	cctggctacg	11880
tttttaaaat	tattttatttg	ttgtttggtt	gcttattggg	acagattctc	actctgtcac	11940

tcaggctgga	gtgcagtgcc	actatcatgg	ctcactgcag	cctccacctc	ctgggcttaa	12000
gcaatcctcc	cacgtccacc	cccttagtac	ctgggactac	aggtgtgcac	caacctcacc	12060
aactaatttt	tgtattcgct	atgtttccca	agctggtttc	gaattcctgg	gctcaaataa	12120
acccactttg	gcctcccaaa	ctgctgggat	tacaacaagc	atgagccact	gtgcctggcc	12180
ttgatttttt	tttttttttt	taaggataat	ctgtagttag	atgaagtttt	taaatttttt	12240
gtagagatgg	ggtctcacta	tgtcacctag	gcttgtctcc	aactgctgac	ctcaagctgt	12300
cctcttgccc	cagccctcca	aagcattggg	attactggca	tgagccattg	catctggctt	12360
tttttttttt	tttttttttt	tttttttttt	tttgagatgg	ggtctcacca	tgttgcccgg	12420
gctggcttcg	aatgcctagg	ctcaagcaat	cctcccttct	cagcctccca	aatagctggg	12480
attacaggca	cggtccacca	cgccaggctt	gttttctttc	cctgtccctc	cctctctatt	12540
tcccactctc	ttcctcccca	attcttctgg	ccctataaaa	tcacatttgt	ggcctgtacc	12600
ctgctaggct	cgaaagacac	caaagtgaat	ccatctccat	cctgaggctt	gaaaaggcag	12660
cccaaagggt	gcagttctct	tggtcagcaa	gcactcccta	cggtggaggg	acacaggaac	12720
gcagacttgg	acctcagtgc	agcaagtccc	agccacagct	gagcactcga	ttcctcacaa	12780
ccccaagagg	cagttagggt	cacagagaga	tgatgccagc	gtccatggtc	accagccagc	12840
ctgtggcagg	gctgggattc	gaacccaggc	tgtgcataat	tacccactct	acccaatggc	12900
ctctcagcag	cagagtggct	cagagcctgg	gtttgggagg	tgtggaggct	tggattctgc	12960
ccttgacaca	ttttgtgagc	atgagttagt	gacttacctt	gtaagcttct	ataagtgggt	13020
gtgacccctc	ctgtaagtgg	gggtggataa	atgtgcacca	catgggcttg	tgtcgaccag	13080
atgaggtcct	tcaggttaatg	cagtcatagc	agggcctggg	acgctgacct	cagcggtagg	13140
gaacccctgg	gcgattgggt	aggagaaagg	agcccttgag	ggaggcctga	gagcaagccc	13200
aagcctccag	ccgggggtgag	cctagagggc	ttcctggagg	tggagtctag	cctggcactc	13260
agggtgggtg	gaaactgata	gtcattttgc	ccacaggaat	cctcgtagcc	cactacctcc	13320
agagcatcac	gccttgccctg	gccctgggtg	gagagctggt	ctaccaccgg	cggcctggag	13380
aggagggcac	tgtcatgtct	ctagctggga	aatacacatg	tgagcctggc	gcctgggtcc	13440
gagggtggag	gggctggggc	cctggactcc	tcctgggtct	gagggaggac	gggctagggc	13500
cctggacact	caggtcttag	ggaggaggcc	tgggttccca	gatgcccaaa	tccccttggt	13560
aatgagacc	cgccctccacc	ccactctctg	acagtgaaca	actggttgcc	aacggttaacg	13620
ttgggccagg	cgggcatagc	cgcaacatac	taccacaaaag	ccagtgaaca	ggtgagtggg	13680
tgcagggaact	agctgggtgt	gccaggggct	gctgggcctg	gaagtccagg	tgggggccact	13740
tgctaattct	catgtgttgc	tcgggccctt	ccagctgcag	gtgggtgtgg	agtttgaggc	13800
cagcacaagg	atgcaggaca	ccagcgtctc	cttcgggtac	cagctggacc	tgcccaaggc	13860
caacctcctc	ttcaaaggta	aaggtctcgg	ttcccttacg	cgggaaacag	gcaggagggt	13920
actcaactct	gagtggatgt	gtggggccacc	acaggtgctg	gaggacagtg	tgctgccacc	13980
ctgtgggcct	ccacattacc	agggaacact	tggtaaaagg	taggtggggc	cgggtgcggt	14040
ggctcacgcc	tgtaatccca	gcactttggg	aggccaaggc	gggccgaggt	aaggagattg	14100
agaccatctc	ggtaaacacg	gtgaaactcc	gtctctacta	aaaatacaaa	aacaaaattt	14160
gccgggtgtg	gttgccgggtg	cctatagttc	caactactga	ggctgaggcg	ggaaaatggt	14220
atgaaccag	gaggcggagc	ttgccgtgag	ccgagatcgt	gccaccgcac	tccagcctgg	14280
gtgacagagc	aagactccat	ctcaaaaaaa	aaaaagtagg	tggaacaacc	tctactatgt	14340
tttatgcttg	gaaaaaaaaa	gtaggtagag	cagccaggcg	tggtgactca	cgctgtaat	14400
cccagcattt	tggtggagcca	agccaggtag	aatacttgag	gccaggaggt	ggagaccagc	14460
ctggccaacg	tggtgaaatc	ccctctctac	taaaagtaca	aaaattagcc	aggtgtggta	14520
gcgtgctgca	actgtagtcc	ccgtacttta	ggaggctgag	gcacaagaat	cacttgaacc	14580
tgggaggcgg	aggttgacag	gagttgagac	tgcaccactg	cactccagcc	tgggtgacag	14640
agtgaagctc	catctccaaa	aaaaataaaa	tgaataaat	aaataaatgt	taaaaaaat	14700
ctggtggagc	atctgatggg	tggttggggc	aagctggagc	tttgtccatc	ccctcttatt	14760
tttctgcact	tgactctctt	atttttctga	gactgggtct	cctctgtcgc	ccaggctaga	14820
gtgcagcagt	gcaactgcgg	ctcactgcag	cctccacctc	ccgggtcaa	gcagccttcc	14880
cacctcagcc	tcctgagtag	ctaggaccac	aggtgtatgc	caccaggccc	agctaatttt	14940
tttgatagtt	ttgggagaca	tgggggtttc	accatgttgc	ccaggctggt	ctcgaactcc	15000
tggactcaag	ccttggcctc	ccaaagtgtc	gggattatag	gtgtgagcca	ccacaccag	15060
ccagggtaga	aggcactttg	gaagcctcga	gcctgcccc	ttcatcttac	gttagtgga	15120
actgaggctt	ccagaggttt	caaggtcaca	actaaatcca	gaacctcacc	tcaggcacac	15180
tggtcgtagt	cccaatgtcc	agtcttaagt	cttcttggtg	atctgtggct	cacagatttt	15240
gggtgtttga	gcctctgtct	gagcactgct	ggggccacag	cgggtgaccag	ccctgtcttc	15300
acgggactca	gtgagaggaa	cagattcacc	cgcagagtgg	gcaggactag	gttgggggaa	15360

cccaggggtc	tagaggggtc	ttcagagggc	aggggtcact	gagcggagag	cagaggagga	15420
gtgagccatt	tgctccagcg	tgaagtgtgt	ggtgtgatgg	ggtttcaggg	tggcaggagc	15480
agtgtggtta	aaggtctgga	agctgtcggc	atgtggctgg	tatccaaggt	ggccagggaac	15540
tctgcatgga	tatggtggga	agctggcacg	cctctcacct	cagctcttcc	ctgcaggctc	15600
tgtggatagc	aactggatcg	tgggtgccac	gctggagaag	aagctcccac	ccctgcccct	15660
gacactggcc	cttggggcct	tcctgaatca	ccgcaagaac	aagtttcagt	gtggctttgg	15720
cctcaccatc	ggctgagccc	tcctggcccc	cgccttcac	gcccttccga	ttccacctcc	15780
acctccacct	ccccctgcc	cagaggggag	acctgagccc	ccctcccttc	cctccccct	15840
tgggggtcgg	gggggacatt	ggaaaggagg	gaccccgcca	ccccagcagc	tgaggagggg	15900
attctggaac	tgaatggcgc	ttcgggattc	tgagttagcg	gggcagcatg	cccagtgggc	15960
ctggggctcc	gggagggatt	ccggaattga	ggggcacgca	ggattctgag	caccaggggc	16020
agaggcgccc	agacaacctc	agggaggagt	gtcctggcgt	ccccatcctc	caaagggcct	16080
gggcccgcgc	cgagggggca	gcgagaggag	cttccccatc	cccggtcagt	ccacctgcc	16140
ccgtccactt	tcccatctcc	tcggtataaa	tcatgtttat	aagttatgga	agaaccggga	16200
cattttacag	aaaaaaaaa	aaaaacaaca	aaaaatatac	gtgggaaaaa	aaacgatggg	16260
aggcctccgt	tttctcaagt	gtgtctggcc	tgttttgagc	atttcatccg	gagtctggcc	16320
gccctgacct	tccccagccc	gcctgcaggg	ggcgccagag	ggccggagca	cggaaagcag	16380
cggatccctg	atgctgcctt	aagtccggct	cagagggggc	cagcgtggcc	tggggctcgt	16440
atcttcccat	ccggaacatc	tgccctgctg	ggggacacta	cgggccttcc	cttgccctgag	16500
ggtagggctc	caaggtcact	tgccccagtc	ttgacctggc	kggagtggct	atagaggact	16560
ttgtccctgc	agactgcagc	agcagagagt	acactgtctc	tgagtgcaga	gatggggcca	16620
gggagctggg	agagggttca	agctactgga	acagcttcag	aacaactagg	gtactaggaa	16680
ctgctgtgtc	agggagaagg	ggctcaagga	ctcgcaggcc	tgggaggagg	ggcctaggcc	16740
agccatkgga	ggtgggtcac	ctgtgtctga	ggacttggtg	ctgtctggat	tttgccaacc	16800
tagggctggg	gtcagctgat	gccaccacag	actcccagag	ctccagggaac	tgaaaccttg	16860
tctgccccca	gggtctgggg	aaggaggctg	ctgagtagaa	ccaaccccag	gttaccaccc	16920
ccacctcagc	caccccttgc	cagccaaagc	aaacaggccc	ggccyggcac	tgggggttcc	16980
ttctcgaacc	aggagttcag	cctccccctg	cccgagaat	cttctgatcs	cacccgctcc	17040
aggagccagg	aatgagctcc	agtctctccc	agttctcact	gtgtggtttt	gccattcttc	17100
ttgctgctga	accacgggtt	tctcctctga	aacatctggg	atttataaca	gggcttagga	17160
aagtgcagc	gtctgagcgt	tcactgtggc	ctgtccattg	ctagccctaa	cataggaccg	17220
ctgtgtgcca	gggtgtctct	ccatgctcaa	tacacgttag	cttgtacca	aacatacccc	17280
tgccgctgct	ttcccagtct	gatgagcaaa	ggaacttgat	gctcagagag	gacaagtcac	17340
ttgcccagg	tcacacagct	ggcaactggc	agagccagga	ttcacgycct	ggcaatttga	17400
ctccagaatc	ctaaccttaa	cccagaagca	cggcttcaag	cccctggaaa	ccacaatacc	17460
tgtggcagcc	agggggagg	gctggaatct	catttcacat	gtggggaggg	ggctccccct	17520
tgctcaaggt	cacaacccaa	gaggaagctg	tgattaaaa	ccaggtccca	tttgcaaaag	17580
ctcgactttt	agcaggtgca	tcatactgtt	cccacccttc	ccatccact	tctgtccagc	17640
cgcctagccc	cactttcttt	ttttcttttt	tttgagacag	tctccctctt	gctgaggctg	17700
gagtgcagtg	gcgagatctc	ggctcactgt	aacctccgcc	tcccgggttc	aagcgattct	17760
cctgcctcag	cctcccaagt	agctrggatt	acaggcgccc	gccaccacgc	ctggctaact	17820
tttgtatttt	tagtagagat	ggggtttcac	catgttggcc	aggctggtct	caawctcctg	17880
accttaagt	attcgccac	tgtggcctcc	caaagtgtct	ggattacagg	cgtgacyacc	17940
gccccagccc	cctcccatcc	cacttctgtc	cagcccccta	gccctacttt	ctttctggga	18000
tccaggagtc	cagatcccca	gccccctctc	cagattacat	tcacccaggc	acaggaaaag	18060
acagggtcag	gaaaggagga	ctctgggcgg	cagcctccac	attccccctc	cacgcttggc	18120
ccccagaatg	gaggagggtg	tctgkattac	tgggcgaggt	gtcctccctt	cctggggact	18180
gtgggggggt	gtcaaaagac	ctctatgccc	cacctccttc	ctccctctgc	cctgctgtgc	18240
ctggggcagg	gggagaacag	cccacctcgt	gactgggggc	tggcccagcc	cgcctatcc	18300
ctggggggagg	gggcgggaca	gggggagccc	tataattgga	caagtctggg	atccttgagt	18360
cctactcagc	cccagcggag	gtgaaggacg	tccttcccca	ggagccggtg	agaagcgcag	18420
tggggggcac	ggggatgagc	tcaggggcct	ctagaaagag	ctgggaccct	gggaascctt	18480
ggcctccagg	tagtctcagg	agagctactc	ggggtcgggc	ttggggagag	gaggagcggg	18540
ggtgaggcaa	gcagcagggg	actggacctg	ggaagggtct	ggcagcagag	acgaccgcag	18600
ccgctagaag	gtgggggtgg	gagagcagct	ggactgggat	gtaagccata	gcaggactcc	18660
acgagttgtc	atcgatcatt	atcgagcacc	tactgggtgt	ccccagtgct	ctcagatctc	18720
cataactggg	gagccagggg	cagcgacacg	gtagctagcc	gtcgattgga	gaactttaaa	18780

atgaggactg	aattagctca	taaatggaac	acggcgctta	actgtgaggt	tggagcttag	18840
aatgtgaagg	gagaatgagg	aatgcgagac	tgggactgag	atggaaccgg	cggtggggag	18900
gggggtgggg	gatggaattt	gaaccccggg	agaggaagat	ggaattttct	atggaggccg	18960
acctggggat	ggggagataa	gagaagacca	ggagggagtt	aaatagggaa	tgggttgggg	19020
gcggcttggt	aaatgtgctg	ggattaggct	gttgacagata	atgcaacaag	gcttggaagg	19080
ctaacctggg	gtgaggccgg	gttggggccg	ggctgggggt	gggaggagtc	ctcactggcg	19140
gttgattgac	agtttctcct	tccccagact	ggccaatcac	aggcaggaag	atgaagggtc	19200
tgtgggctgc	gttgctggtc	acattcctgg	caggtatggg	ggcggggctt	gctcgggtcc	19260
ccccgctcct	ccccctctca	tcctcacctc	aacctcctgg	ccccattcag	rcagaccctg	19320
ggccccctct	tctgaggett	ctgtgctgct	tcctggctct	gaacagcgat	ttgacgctct	19380
ctgggacctg	gtttccccc	tccttgagat	aggagttaga	agttgttttg	ttgttggtgt	19440
ttgttggtgt	tgttttgttt	ttttgagatg	aagtctcgct	ctgtcgccca	ggctggagtg	19500
cagtggcggg	atctcggtct	actgcaagct	ccgctcccca	ggtccacgcc	attctcctgc	19560
ctcagcctcc	caagtagctg	ggactacagg	cacatgccac	cacacccgac	taactttttt	19620
gtattttcag	tagagacggg	gtttcaccat	gttggccagg	ctggtctgga	actcctgacc	19680
tcaggtgatc	tgcccgtttc	gatctcccaa	agtgcctggg	ttacaggcgt	gagccaccgc	19740
acctggctgg	gagttagagg	tttctaattg	attgcaggca	gatagtgaat	accagacacg	19800
gggcagctgt	gatctttatt	ctccatcacc	cccacacagc	cctgcctggg	gcacacaagg	19860
acactcaata	catgcttttc	cgctgggcgc	ggtggctcac	ccctgtaatc	ccagcacttt	19920
gggaggccaa	ggtgggagga	tcacttgagc	ccaggagttc	aacaccagcc	tgggcaacat	19980
agtgagaccc	tgtctctact	aaaaatacaa	aaatttagcca	ggcatggtgc	cacacacctg	20040
tgtctctcag	tactcaggag	gctgaggcag	gaggatcgct	tgagcccaga	aggtcaaggt	20100
tgcagtgaac	catgttcagg	ccgctgcact	ccagcctggg	tgacagagca	agaccctggt	20160
tataaataca	taatgctttc	caagtgatta	aaccgactcc	cccctcacc	tgcccaccat	20220
ggctccaaag	aagcattttg	ggagcacctt	ctgtgtgcc	ctaggtacta	gatgcctgga	20280
cggggtcaga	aggaccctga	cccaccttga	acttggtcca	cacaggatgc	cagrccaaagg	20340
tggagcaagc	ggtggagaca	gagccggagc	ccgagctgcg	ccagcagacc	gagtggcaga	20400
gcggccagcg	ctgggaactg	gcactgggtc	gcttttgagg	ttacctgcgc	tgggtgcaga	20460
cactgtctga	gcaggtgcag	gaggagctgc	tcagctccca	ggtcaccag	gaactgaggt	20520
gagtgtcccc	atcctggccc	ttgaccctcc	tgggtggcgg	ctatacctcc	ccaggtccag	20580
gtttcattct	gcccctgtcg	ctaagtcttg	gggggctgg	gtctctgctg	gttctagctt	20640
cctcttccca	tttctgactc	ctggctttag	ctctctggaa	ttctctctct	cagctttgtc	20700
tctctctctt	cccttctgac	tcagtctctc	acactcgtcc	tggctctgtc	tctgtccttc	20760
cctagctctt	ttatatagag	acagagagat	ggggtctcac	tgtgttgccc	aggctggtct	20820
tgaacttctg	ggctcaagcg	atcctcccgc	ctcggcctcc	caaagtgcctg	ggattagagg	20880
catgagccac	cttgcccggc	ctcctagctc	cttctctcgtc	tctgcctctg	ccctctgcat	20940
ctgctctctg	catctgtctc	tgtctccttc	tctcggtctc	tgccccgttc	cttctctccc	21000
tcttgggtct	ctctggctca	tccccatctc	gcccgcacca	tcccagccct	tctccccgcc	21060
tcccactgtg	cgacacccct	ccgcccctctc	ggcgcgagg	cgctgatgga	cgagaccatg	21120
aaggagttga	aggcctacaa	atcggaactg	gaggaacaac	tgaccccggg	ggcggaggag	21180
acgcgggcac	ggctgtccaa	ggagctgcag	gcggcgaggg	cccggctggg	cgcgacatg	21240
gaggacgtgy	gcggccgcct	ggtgcagtac	cgcgcgaggg	tgacggccat	gctcggccag	21300
agcaccgagg	agctgcgggt	gcgcctcgcc	tcccacctgc	gcaagctgyg	taagcggctc	21360
ctccgcgatg	ccgatgacct	gcagaagygc	ctggcagtg	accaggccgg	ggcccgcgag	21420
ggcgccgagc	ggggcctcag	cgccatccgc	gagcgctgg	ggcccctggt	ggaacagggc	21480
cgcgtgcggg	ccgccactgt	gggctccctg	gcggccagc	cgctacagga	gcgggccag	21540
gcctggggcg	agcggtgcg	cgcgcggatg	gaggagatgg	gcagccggac	ccgcgaccgc	21600
ctggacgagg	tgaaggagca	ggtggcgagg	gtgcgcgcca	agctggagga	gcaggcccag	21660
cagatacgcc	tgcaggccga	ggccttccag	gcccgcctca	agagctggtt	cgagcccctg	21720
gtggaagaca	tgcagcgcca	gtgggcccgg	ctggtggaga	aggtgcaggc	tgccgtgggc	21780
accagcgccg	cccctgtgcc	cagcgacaat	cactgaacgc	cgaagcctgc	agccatgcga	21840
ccccacgcca	ccccgtgcct	cctgcctccg	cgcagcctgc	agcgggagac	cctgtccccg	21900
ccccagccgt	cctcctgggg	tggaccctag	tttaataaag	attcaccaag	tttcaogcat	21960
ctgctggcct	ccccctgtga	tttccctctaa	gccccagcct	cagtttctct	ttctgcccac	22020
atactggcca	cacaattctc	agccccctcc	tctccatctg	tgtctgtgtg	tatctttctc	22080
tctgcccttt	tttttttttt	tagacggagt	ctggctctgt	cacccaggct	agagtgcagt	22140
ggcacgatct	tggctcactg	caacctctgc	ctcttgggtt	caagcgattc	tgctgcctca	22200

gtagctggga	ttacaggctc	acaccaccac	acccggctaa	tttttgatt	tttagtagag	22260
acgagctttc	accatgttgg	ccaggcaggt	ctcaaaactc	tgaccaagt	atccacccgc	22320
cgccctccca	aagtgtgag	attacaggcc	tgagccacca	tgcccgccct	ctgccctct	22380
ttctttttta	gggggcagg	aaaggtctca	ccctgtcacc	cgccatcaca	gctcactgca	22440
gcctccacct	cctggactca	agtataagt	gatcctcccg	cctcagcctt	tccagtagct	22500
gagactacag	gcgcatacca	ctaggattaa	tttggggggg	gggtggtgtg	tgtggagatg	22560
gggtctggct	ttgttggcca	ggctgatgtg	gaattcctgg	gctcaagcga	tactcccacc	22620
ttggcctcct	gagtagctga	gactactggc	tagcaccacc	acaccagct	ttttattatt	22680
atgtgtagag	acaaggtctc	aatatgttgc	ccaggctagt	ctcaaaccct	tgggctcaag	22740
agatcctccg	ccatcgccct	cccaaagtgc	tgggattcca	ggcatggggc	tccgagcccg	22800
gcctgcccaa	cttaataata	cttgttcctc	agagtgtcaa	ctccaaatga	cctgagattg	22860
gtgcctttat	tctaagctat	tttcattttt	tttctgctgt	cattattctc	cccttctct	22920
cctccagtct	tatctgat	ctgcctcctt	cccaccacc	ctgcaccoca	tcccaccct	22980
ctgtctctcc	ctgttctcct	caggagactc	tggcttccctg	ttttcctcca	cttctatctt	23040
ttatctctcc	ctcctacggt	ttcttttctt	tctcccgggc	ctgcttgttt	ctcccccaac	23100
cccttctcct	tggatttctt	cttctgccat	tcagtttggg	ttgagctctc	tgttctccg	23160
gttccctctg	agctagctgt	cccttcaccc	actgtgaact	gggtttccct	gcccacccct	23220
cattctcttt	ctttctttct	tttttttttt	tttttttttt	tttttttttt	gagacagagt	23280
cttgcctctg	tgcccagcct	ggagtgcagt	ggtgcaatct	tggttcaactg	caacctccac	23340
ttcccagatt	caagcaattc	tcctgcctca	gcctccagag	tagctgggat	tacaggcgtg	23400
tcccaccaca	cccgaactat	ttttgtattt	ttgttagaga	caaggcttcg	gcattgttgg	23460
ccaggcaggt	ctcgaactcc	tgacctcaag	taactctgct	gcctcaccct	cccaaagctg	23520
tggrattaca	ggcatgagcc	acctcaccgc	gaccatccct	cattctccat	cctttcctcc	23580
agttgtgatg	tctaccctcc	atgtttccca	acaagcctac	tgggtgctga	atccaggctg	23640
ggaagagaag	ggagcggctc	ttctgtcggg	gtctgcacca	ggcccatgct	gagacgagag	23700
ctggcgmtca	gagaggggaa	gcttggatgg	aagcccagga	gccgccggca	ctctcttcyc	23760
ctcccacccc	ctcagttctc	agagacgggg	aggagggttc	ccacsaacgg	gggacaggct	23820
gagacttgag	cttgtatctc	ctgggccagc	tgcaacatct	gcttgtccct	ctgcccctct	23880
tggctcctgc	acaccctgaa	cttgggtgctt	tccttggcac	tgtctgatc	accacagtg	23940
aggcagcacc	cctcccctgg	agatgactca	ccagggtcga	gtgaggagg	gaagggtcag	24000
tgtgctcaca	ggcagggggc	ctgggtctgt	gggcctgctg	ctgattcacc	gtatgtccag	24060
gagctggagc	agcaccctct	cagagcctca	gtttccccag	atgtcaatga	gagaatcagc	24120
atcagccaca	tctcccacct	gaagaatcga	accttgagtt	ctcaccttta	agaatttttt	24180
tttttttttg	agacagtgcc	ttgtcagtc	gaccacgctg	gagtgcagta	gcacgatcat	24240
caatcactgc	agcctccaac	tcaagcaacc	ctcctgcctc	aacctcctga	gtagctgggg	24300
ccacaggcac	ccaccaccat	gcctggctaa	ttctttcttt	tttgagatgg	agtctcactc	24360
tgtcgcccag	gctggagtgc	agtggcacca	tcttggctca	ccgcaacctc	tgcccccccg	24420
gttcaagcaa	ttctcctgcc	tcagcctcct	gagtagctag	aattacaggc	gcacaccacc	24480
acaccaggct	aatttttcta	tttttagtag	aaacaggtt	tcaccacggt	ggtcaggttg	24540
gtctcaaaact	cctgacatca	ggctgatccac	cgccctgggc	ctcccaaagc	actgggatta	24600
caggagttag	ccaccatgcc	tggccatatt	ttaaactttt	ttgtagagat	ggggtcttac	24660
tatgttgccc	aggctgatct	caaactcttg	ggctcaagca	gatcctcctg	ccaaagcttc	24720
ccaaagtagt	tggattacag	gtgtgagcca	ccacgcccc	ccaacctatg	aagatgtcta	24780
agcagacagg	gtgccctatc	tcaccacatc	cccagtcaga	tccagagggtg	ggacaaggat	24840
gggaaggagg	ttccagaaca	aaggctggca	gggagtcgta	tgggacagga	gctgaccagg	24900
caaccatcca	cagagacatc	ctggagcctg	ggaaggagaa	ggacaaagag	cccccttttt	24960
taaatttttt	ttatgttttt	gagacggagt	ctcactctgt	cacccaagct	ggagtgcagt	25020
ggcacaactat	tggctcactg	caacctccac	ctcatgggtt	caaacgactc	tcctgcctca	25080
gcctccttag	tacatgggac	cacaggtgca	caccaccatg	cctggataat	ttttgaattt	25140
ttggtagaga	cggagtttca	ccatgttggc	caggcaggtc	tcgaactcct	gacctcaagt	25200
gctccgcccc	ccttggcctc	ccaaagtctt	gggaatacag	gcgtgagcca	ctgcaaccag	25260
ccagtagccc	ccatcttttg	ccctcgctga	gccctactgg	atgttcttgg	ttatgcgaca	25320
gtttcccat	ctattaaaga	gaaaccccta	tagcagaggg	gaggatgagg	ttggaaaagc	25380
aggagcattg	ttatgtctatt	cttgtggggg	ctgggaagca	gacatctggg	tggatgtttg	25440
gggggtgctg	ggcttagttg	gggaagtagg	ggggcccttg	gggctgacag	ggactggaag	25500
ctctgagctg	gocagaggga	tgttgcaatc	ctgccagggt	cttgtctatg	ctgtcctttt	25560
cacaaccatc	ccctactgc	caggctgaca	cgtggttgcg	ggggcacaag	gccagccaac	25620

ctagagtctg	aggetaggcg	gaggacaccc	tccccaccag	ctgccagggt	cactggcggt	25680
caaaggcagc	tgggtgggaa	ggcattggac	tccagccttg	ggggacggat	gtagtgatgg	25740
tgggaagcag	gcttggtgcc	aggaggggag	tcagaggggtg	aataaaaagca	gatagagtgt	25800
ttgggggagg	tagccagcca	aaggggggtga	ggcccgggtg	aagggaagaa	gggacatata	25860
cgagagctt	tgcagctgag	ggttttaatt	ttttgagatg	gggtctctgt	cccaccaggc	25920
tggagtgcag	tggcacaatc	acagctcact	gcagcctoga	actcctgggc	tcaagcaatc	25980
ttcctacctc	agcctcttga	gtagctggga	ctacaggcat	gcgccaccac	gctcggctaa	26040
tttttgaact	tttttgtaga	gatgaggtct	ccctatatattg	cccaggctgg	tctcgaaactc	26100
ccaggctcaa	gtgatcctcc	ctcttcagct	tcccaaagtg	ctgggattac	aggcatgagc	26160
caccatgcct	ggctaataca	ggtgaggttt	ttgcagtgtc	atccagctaa	ggcgaccogt	26220
tccctcccca	aaaaagggag	actgagaacc	atgaagttaa	gagcccagag	aatatcacgg	26280
tggctctggg	tgcttcaagg	gctggtctgg	aataaaattgg	agggtggcacg	cagggtagga	26340
gcgcggggcc	aactgggaga	cccagcaaca	taaaggaaaa	gttgttgggg	ctgaggaggc	26400
ttgctgagag	aggggaagtg	agggaaagag	gtgatctagg	gacacggtgt	gaatgagggg	26460
gggatgagat	cacagggtta	ttactgggag	acccctgagg	gaagatggcc	acagggacag	26520
gacaaggctg	tcttcttaag	ggaggagacc	acccctcata	ttgtcttatg	cccaatttct	26580
gcctccaaag	aaagaaaaag	taaaaactaa	aaggcagaaa	tgaaatccac	aagcagacag	26640
cccgcgccac	acccctgggc	tgggtggttaa	agattgacct	ctgacctaat	ccgttaggtt	26700
atctatagat	tacagacatt	gtatagaaaa	gcactgtgaa	aatccctatt	ctgttttgtt	26760
ccgatctaata	taccggtgca	tgcagcccc	agtcacgcata	cccctgcttg	ttcaatcgat	26820
cacgacctc	tcacgtgcac	ccacttagag	ttgtgagccc	ttaaaaggaa	cagggtattgc	26880
tcactcgggg	agctcggctc	ttgagacagg	aatcttgccc	attccccgaa	cgaataaacc	26940
ccttccttaa	ctcagcgtct	gaggaatttt	gtctgcggct	cctcctgcta	cattctgagt	27000
ggggaaaggg	actaaggtgg	tctgaggacc	ccacagagtc	aggaagattg	agaggtgaga	27060
gtgctgaacg	gggaggggct	ttggggctaa	gggaagtgcc	cgggacccca	cctgacccca	27120
acgctcacgg	gacaggggca	gaggagaaaa	acgtgggtgg	acagagggag	gcaggcggtc	27180
aggggaaggc	tcaggaggag	ggagatcaac	atcaacctgc	cccgcacctc	ccccagcctg	27240
ataaaggtcc	tgcgggcagg	acaggacctc	ccaaccaagc	cctccagcaa	ggattcaggt	27300
tgggtgctgag	tgccctgggag	ggacacccgc	ctacactctg	caagaaactc	aaaaagggag	27360
atgaggggat	cgtgggaggg	aggtagggag	ggaggagggt	gccactgatc	ccctgaacct	27420
ctgectctgc	ctccagagtg	ccctccgggc	ctcgccatga	ggctcttctc	gtcgctcccc	27480
gtcctgggtg	tggttctgtc	gatcgtcttg	gaaggtaaaa	gtgggatggg	agaattgcgg	27540
agttggagat	ttggaagagt	gaaggtggct	acaggcctgg	ggtcccggct	tagaggacct	27600
ctgagagctc	cggggccctc	tctgggtcgt	ggttgccctca	tctgtgtcgg	gtgggtctcc	27660
aggttctccc	aggetcagtc	ccgcaggcgc	caaactctgcg	caggagagca	ctagcaaccg	27720
atgacgtatt	gaggcccaca	cctctgggat	tggctgtcct	gcttcgacag	ccttgaaagt	27780
gggtaagctg	ggtggggggc	tctgggagag	gtcagtgtctg	agtaaggcaa	ttcccagcag	27840
ccttgagcccc	accaggtcac	tccagtattc	ctccccattc	tttttttttt	tttttttttt	27900
tctcttgaga	cggagtctcg	ctctgtcgcc	gagggtggag	tgcagtggcg	cgatctcggc	27960
tcactgcaag	ctccgcctcc	ctggttcacg	ccattctcct	gcctcagcag	gactacaggc	28020
gcccgcaccc	gcgcgcggct	aattttttgt	atttttcagta	gagacagggt	ttcaccgtgg	28080
tctcgatctc	ctgactttgt	gatccgcctg	cctcgacctc	ccaaagtgtc	gggattacag	28140
gogtgagcca	cgcgctccgg	ccattcctcc	ccattctaac	cacatgatcc	ccaaggatct	28200
ctatccatcc	cggtatccca	acctaagggg	gttccaataa	caaatttttg	gccgggcagg	28260
gtggtcatatg	cctgtaatcc	cagcaactttg	ggaggccgag	gcgggcagat	cacttgaggt	28320
caggagtctg	aaaccagcct	ggccaacatg	gtgaaacttc	gtctctacta	aaaatacaaa	28380
aaaattagcc	aggtgtggag	gcacgcgcct	gtaggcccag	ctactcggga	ggctgaggca	28440
ggagatacac	ttgaacccgg	gaggcggagg	ttgcagttag	ccgagatcat	accactgcac	28500
tcagacctgg	ctgacacagc	aagactccgt	ctcaaaaacaa	aacaaaacaa	aaatagctgg	28560
gtgtgggtgt	gcacacctgt	aatcccagct	acttgggagg	ctgaggcagg	agaactgctt	28620
gaacccggga	ggtggtgggt	gcagtaggcc	gagatcatgc	cactgcactc	cagcttgggc	28680
tacagagcaa	gactccatct	ccaaaaaaaa	aaaaaaaaaa	acaaattttg	aaccctgccc	28740
catcttctctg	gcaggcccag	ccccagccca	ggggacccca	gacgtctcca	gtgccttgga	28800
taagctgaag	gagtttggaa	acacactgga	ggacaaggct	cgggaactca	tcagccgcct	28860
caaacagagt	gaactttctg	ccaagatgcg	gttagaaccc	ttcccagggc	acgggagagc	28920
tggggtgtgt	ttttgggtgg	agccctggca	gatggtccaa	gatgaacaga	ttgaaaaaaa	28980
aacaagtcct	ggagaggctg	acaacatccc	tctggtcaca	cagctagatc	tcaaggtgct	29040

cagacttcaa	ggacagtttc	cctgactccc	atccaggcca	tatttttaaaa	gatgggtcttg	29100
ggctgggcac	ggtgggctcat	gcttgcaatc	ccagcactta	gggaggccga	ggtgggctga	29160
ttgcctgagg	tcaggagttc	gagaccagtc	tgaccaacat	ggtgaaacct	tgtctctact	29220
aaaaatacaa	aaaaattagg	caggcatggt	ggcgtgcacc	tgtaatccca	gctagtcggg	29280
aggctgaggg	aggggaattg	cttgaaccag	gaaggtggga	gttacagtga	gccaacattg	29340
tgccagcctg	ggtgacagaa	ggagactctg	tctcaaaaaa	aaaaaaaaaa	aaaaaaaaaa	29400
caagatggtc	ttgccaggt	atggtggctc	acacctgtaa	ttccagcaact	atgggaggct	29460
gagatgggag	gattgcttga	gcccaggagt	tcgagaccag	cctgaccaac	atggcgagat	29520
cctgtctcca	tttaaaaaaa	aaaaaaaaaa	gatggttttg	tgaggtaatg	aaaatgaagg	29580
ccccaggett	ggccagacct	gggtcccag	gctggagtag	cacccttcc	tgtgtgatct	29640
tgacagaggg	gcattactgt	gagcctcagt	ttcctctcct	ataaactggt	ggttctacag	29700
ggaagtaaa	gagcaggcct	acagggtgtc	tggtacatgt	agatgctcag	tatatcatga	29760
aaccacacct	tgcccccttt	ggcaagttag	agagtcattc	gttctttcaa	aaatattttac	29820
tgagcatctg	ctaagtgtctg	gaaactgttt	caatgtgggg	aataaaacag	tgaagaacgt	29880
gccgagcacg	gtggctcaca	cctgtaaccc	caccactttg	gaaggccgag	gtgggtggat	29940
cacttgaggt	caggagtgcg	agaacccccg	ccctaataga	aatgcaaaaa	aaattagctg	30000
ggcatggtgg	cccattgctg	tagtcccagc	tccttgggag	gctgaggcga	gaggattgct	30060
tgagcccagg	agatctaggc	tgcatgtgcg	catgtttgtg	ccactgcatt	ccagcctggg	30120
taacagaatg	agaccctgtc	tcaacaaaaa	aagaaaagaa	aagagaagaa	aagagaaaag	30180
aaagacaggg	aggggaggag	ctttgaaggg	agggagggag	ggaaaataga	gccaggcata	30240
aaacttagaaa	gatcgttttg	agggcaggca	caatggctca	cacctgtaat	cccagcactt	30300
tgggaggcca	aggcaagcag	atcacctgag	gtcaggagtt	cgagaccagc	ctaacatgga	30360
gaaacacctgt	ctctactaaa	aatacaaaat	tagccgggag	tggtggtaca	ttcctgtagt	30420
cctagctact	cgggagcctg	aggcaggaga	atcacttgaa	cccgggaggc	ggaggttgca	30480
gtgagccgag	atcatgccac	tgactccag	cctgggcgac	aaggcgagac	tccatgccaa	30540
aaaagaaaaa	aaactcctgg	cgcggtgtc	acgccagtaa	tcccagcaact	gtgggaggct	30600
gagcaggcgg	atcacgaggt	caggagtctg	agactagcct	gctcaacata	atgaaaccct	30660
ctctgtacta	aaaatacaaa	aattagctgg	gtgtggtggc	aggcacctgt	agtcaccagct	30720
actcgggagg	ctgaggcagg	agaatggctt	gaacctggga	ggcagcgctc	gacctgagcc	30780
gagacagtgc	cattgcactc	cagtcaggt	gacagagcga	aactccatct	caaaaaaaaaa	30840
aggaaggcat	tggtagcaag	agatggcagg	ccttgaaagc	caggccaggg	tgaagtgttt	30900
cttttttttt	tttttttttt	ttctttttta	attttttttt	ttgagacgga	gtctcgctct	30960
gtcaccaggg	ctggattgca	gtggcctgat	ctcggctcac	tgcaagtctc	gcctcccggg	31020
ttcatgccat	tctcctgcct	caccctccc	agtagctggg	actacaggca	cctgccacca	31080
cgccagctaa	ttttttgtat	tcttagtaga	atgtagaatt	tacttagtag	aattttttgt	31140
attcttagcc	agcatggtct	cgatctcctg	acctggtgat	ccaccgcct	cggcctccca	31200
aagtgtctgg	attacaggcg	tgagccacgt	cgcccgacct	tattttttct	ttttgagatg	31260
taccagactc	ggatgcagct	ggtgcgatct	cggcttactg	gaacctccac	ctcccgggtt	31320
caggcaattc	tccgtcctca	gcctcatgag	tacttggaa	tacagggtgtg	tgacaccaca	31380
catggtattt	tttgtatttt	tagtgaagat	gacatttcac	catgttgccc	aggttggtct	31440
cgaactcctg	acctcaagtg	atcagcctac	ctcggcctcc	caaagtgttg	ggattacagg	31500
cgtgagccaa	atgcccagcc	aagggtaaag	tgtttagact	tcaacgtgct	ttggtccatc	31560
tgggaaactg	aggcacagaa	gttgcccac	ccagcccagc	ggtcctccta	atcccacaga	31620
cagtggggat	ggagattctg	caaggggaag	aggtgggagt	caggtagcag	gcagaatttg	31680
gacagcctgg	gaggtagctg	cacacagtga	cccccttcc	tattcctccc	cacagggagt	31740
ggtttttcaga	gacattttcag	aaagtgaagg	agaaactcaa	gattgactca	tgaggacctg	31800
aagggtgaca	tcccaggagg	ggcctctgaa	atttcccaca	ccccagcgcc	tgtgtgagg	31860
actccctcca	tgtggcccca	ggtgccacca	ataaaaaatcc	tacagaaaat	tctctcctga	31920
gtgcttcttt	actctgggga	aggggctgcg	ggagagggtta	ggggcttcca	gagagggcag	31980
ggtctgcagg	agagggcagg	ggctaaacct	taggtactcc	tcacaagccc	tccaatgccc	32040
tatctacttg	ccctgtgctg	aggatgtttt	aactccatgg	tctcaaaaaga	gtcttcctaa	32100
gaaccttgca	aactgggcct	tattaatccc	ataagggcag	tgaggcccag	agaggtgaag	32160
ttacttgtat	aaggtcacac	agccaggaag	tagagaactg	gaactagatt	gaacctcag	32220
cctagcaatg	tcaactatgct	acacttttcc	tagtgtggtc	tacccgagat	gaggggctga	32280
ggtttttttt	tgtttttgtt	tctgtttttg	ggcagactca	ctctctcccc	caggatggag	32340
tacagtggtg	cgatctcagc	tcactgcaac	ctccacctcc	caggttcaag	agattatcct	32400
gcctcagcct	cccaagtagc	tgggattttac	aggtgtgcgc	caccacaccc	agctaatttt	32460

tgtatTTTTa	gtagagacag	ggtttcatca	tgttgccag	gctgggtctcc	aactcctggg	32520
cttaagcaat	cctcctgcct	tggcctccca	aagtattaga	attacaggcg	tgagccactg	32580
tgccctggctc	ttatgtaaaa	ttaaaccaca	tacacatgag	aaacaaccct	atgtaattaa	32640
gatttctttc	TTTTTTTTTT	TTTTTTTaa	agatggagtc	acccaggctg	gagtgcagtt	32700
gcacaatctc	catttactgc	agccttgcaa	cctccaccac	ctgagttcaa	gggattctcc	32760
tgccctcagcc	tccctgagtag	ctgggattat	aggcatgtgc	caccacgccc	agctaatttt	32820
tttgtatttt	tagtagagac	ggaattttccc	catgttgccc	aggctggtct	caaactcctg	32880
gccttaaatg	atccaccgct	cctggcctcc	caaagtgcctg	ggattacagg	tgtgagccac	32940
cgcaccacagc	ttaagatttc	ataagaaaaa	tatttghtaag	ccacatatct	aataaccggt	33000
taatattcag	gctgggtgaa	gtggctcatg	cctgtaatcc	cagcactttg	ggaagacaag	33060
gcgggcggat	tacctgaagt	caaaagtttg	agacctgcct	ggccaacatg	gtgaaacctt	33120
gtctctacta	aaaatacaaa	aaaattagcc	gggtgggggtg	gcacatgcct	gtaatccag	33180
ctgcttggga	ggctgaggca	agagaatccc	ttgaaccagg	gagtcgaagg	ttgcagttag	33240
ccaagatggc	gccactgccc	tccagcctgg	gagacagagt	gggactccat	ctcaaaaaaa	33300
aaaaaaaaattc	aaaatgtata	atatacaatc	ctagttggga	catcaaacac	tgacgccact	33360
gtggaaaaca	gtatgggggt	tccctcaaaa	attaaagata	gaactctcaa	atgatccttc	33420
aatcccactt	ctgggtattt	attcaaaaaga	attgaaatca	ggaccttgaa	gagataacctg	33480
ccctcccatg	ttcactgcag	gtctgctcaa	tacccaagat	atggaaaaca	cctaaatgtt	33540
tatcaacaga	tgaatgggtc	aaggaaatgt	ggtctctaca	tgtaatggaa	tgtaacgcat	33600
ccttaaaaaag	gaaaccctaa	ggcggggctc	tgtggctcac	acatgttttt	ttttttaaat	33660
tttattttatt	tattttattta	tttattttatt	ttttattgat	cattcttggg	tgtttctcac	33720
agaggggggat	ttggcaggggt	cataggacaa	tagtggagggt	aagggtcagca	gataaacaag	33780
tgaacaaagg	tctctggttt	tcctaggcag	aggacctga	ggccttccgc	agtgtttgtg	33840
tccttggtta	cttgagatta	gggagtgggtg	acgactctta	acgagcatgc	tgccctcaag	33900
catctgttta	acaaagcaca	tcttgccacca	cccttaatcc	atttaaccct	gagtggacac	33960
agcacatggt	tcagagagca	cagggttggg	ggttaagatca	cagatcaaca	ggatcccaa	34020
gcagaagaat	ttttcttagt	atagaacaaa	attgaaaagt	tcccatgtct	acttctttct	34080
acacagacac	ggcaaccatc	cgattttctca	atcttttccc	caacttttcc	ccccctttcta	34140
ttccacaaag	ccgcgattgt	catcctggcc	ggttctcaat	gagctgttgg	gcacacctcc	34200
cagacaggggt	ggtggccggg	cagagggggt	cctcacttcc	cagtaggggc	ggccgggcag	34260
aggcgccccct	cacctcccgg	acgggggtggc	tgccggggcgg	agaggctcct	cacttctcag	34320
acagggcggt	tgccaggcag	agggtctcct	cacttctcag	acgggggtggc	cgggcagaga	34380
cgctcctcac	ctcccagacg	gggtcgcggc	cgggcagagg	cgctcctcac	atcccagacg	34440
ggggcgccggg	gcagaggcgc	tccccacatc	tcagacgatg	tgccggccggg	aagaggcgct	34500
cctcacttcc	tagatgggat	ggcgccggga	cggagacgct	cctcacttcc	cagactgggc	34560
agccaggcag	agggtctcct	cacatcccag	acgatgtggc	tcacgcagtgt	tatcccagca	34620
ctttcgaggg	tcaaggcagg	aggatcactt	gaggccagga	gttgagagacc	atcttggcca	34680
acatggtgaa	accccgctctc	tactaaaaat	acaaaaaatt	agccaggcgt	gcgcctgtaa	34740
tcccagctac	tcagtagggt	gaggcatgag	aatcgcttga	acccaggagg	tggaggctgc	34800
agttagccga	gatcatgcca	ctgcactcca	gccggggcat	cagagcaaga	ctcaatctca	34860
aaacataaaa	ggaaatcctg	aaactgggca	cagtggctta	tgctgtaat	cccagcactt	34920
tggaaggctg	agggtgggagg	atcacttgag	gtcaggagtt	cgagaccagc	ctgggtaaca	34980
tggtgagaca	ccatctctac	caaaaaaaga	agaaagagaa	tataataaatg	tataaatatt	35040
actccctggg	gttaatgcac	ccccttctcc	cccaaatcaa	ccctccaaac	tcctatactc	35100
tcctgtcttc	tcactcagca	gcctgttaga	actcaagtca	gattttttgt	tttttgtttt	35160
ttgagacgga	gtctcactct	attgcccagc	ctgtgcagtgt	gcaccatctc	agctcactgc	35220
aacctctgcc	tcccagggtg	aaccgatttt	cctgtcaggt	ctcccaagta	gctgggacta	35280
caggcggtgtg	tgtgccacca	caccagctta	atttttgtat	ttgtagtaga	gacgggggtt	35340
caccatgttg	cccagggttg	tctogaactc	ctgagctcta	gcaattagcc	ctccttggcc	35400
tcccaaagtg	ctgggggttac	aggcatgagc	caccatggcc	ggcctcaagt	cagattatgc	35460
tcttctctctg	ctcagaactc	tccctgattct	ctcagagtaa	accagaagc	acttaccag	35520
gectacaaac	gggacactat	gccgtccacg	atcgctcct	ccctgtctct	ctctccatca	35580
ctcacaagca	actctttgct	attcctccaa	tgtactgggc	aggttcccat	ctcagggcc	35640
ttgcagttac	tgttcctctt	gcctggaatg	ttcttcccca	gggttccaga	tatctgcctg	35700
gctccctcct	cacttctctc	agttctcttc	caaaatcatc	ccctgccaga	cgtggtggca	35760
cacgcctgta	atcctaactc	tttgagatgc	caagggtggga	ggattgcttc	agctcaggag	35820
ttcaagatca	gcctgggcaa	tagcaagacc	ccatccgttc	taaaaataaa	aataaataaa	35880

aaataaaaaa	taaaaattag	ctgagcatgg	tagtggacac	cttgggggttc	cagccacgtg	35940
gcaggctgag	gtaggaggat	ggctttgaat	cagggaggtt	gaggctgcag	tgagccatgt	36000
tctgaattag	atactggtga	tgatcgtgca	accttcccaa	tataggaaaa	accactgaac	36060
agtacatttt	caaagggtaa	atttagccgg	acacgggtggc	tcatgtctgt	aatcccagca	36120
cttttgaggt	ccgaggcggg	cagatcacct	gaggctggga	gttcaagacc	agcctgacca	36180
acatggagaa	accccgctctc	tactaaaaat	acaaaaaatt	agccagggtat	ggtggcgcat	36240
gcctgtaatc	ccagctactc	cagaggttga	ggcaggagaa	ttgcttgaac	ccgggaggca	36300
gaggttgtgg	tgagccgaca	tcacaccatc	gtactccagc	ctgggcaaca	agagcgaaac	36360
tccgtctcaa	aaaaaaaaaa	aataattaag	aaattagcca	ggcgtggtgg	tgggtgcctg	36420
tagtctcagc	tacttgggag	gctgaggcat	gagaatcgct	taaaccgggc	gggtggaggc	36480
tacagtgagc	ctagattcca	ccaccgcact	ccagcctggg	caactgagtg	agactccacc	36540
tcaaaaaaat	aaataaaaagg	gtaaatttta	tggaaatgtga	atcataattc	aatttttcaa	36600
catgcgttag	gagggacatt	tcaaactctt	ttttacccta	gactttccta	ccatcaccca	36660
gagtatccag	ccaggagggg	aggggctaga	gacaccagaa	gtttagcagg	gaggagggcg	36720
tagggattcg	gggaatgaag	ggatgggatt	cagactaggg	ccaggacca	gggatggaga	36780
gaaagagatg	agagtgggtt	gggggcttgg	tgacttagag	aacagagctg	caggctcaga	36840
ggcacacagg	agtttcttgg	ctcaccctgc	ccccttccaa	cccctcagtt	cccatcctcc	36900
agcagctggt	tgtgtgctgc	ctctgaagtc	cacactgaac	aaacttcagc	ctactcatgt	36960
ccctaaaaatg	ggcaaacatt	gcaagcagca	aacagcaaac	acacagccct	ccctgcctgc	37020
tgaccttga	gctggggcag	aggtcagaga	cctctctggg	cccatgccac	ctccaacatc	37080
cactcgaccc	cttggaaattt	cgggtggagag	gagcagaggt	tgtcctggcg	tggtttaggt	37140
agtgtgagag	ggtcgggggtt	caaaaccact	tgtctgggtg	ggagtctgca	gtaagtggct	37200
atgccccgac	cccgaagcct	gtttcccat	ctgtacratg	gaaatgataa	agacgcccac	37260
ctgatagggt	ttttgtggca	aataaacatt	tggttttttt	gttttgtttt	gttttgtttt	37320
ttgagatgga	ggtttgcctc	gtcgcccagg	ctggagtgc	gtgacacaat	ctcatctcac	37380
cacaaccttc	ccctgcctca	gcctcccaag	tagctgggat	tacaagcatg	tgccaccaca	37440
cctggcta	ttctctattt	tagtagagac	gggtttctcc	atgttggta	gcctcagcct	37500
cccaagtaac	tgggattaca	ggcctgtgcc	accacacccg	gctaattttt	tctatttttg	37560
acagggaagg	ggtttcacca	tgttgggtcag	gctgggtctag	aactcctgac	ctcaaataat	37620
ccaccacact	aggcctccca	aagtgcacag	attacaggcg	tggggccaccg	cacctggcca	37680
aattttta	ttttttctag	agataggggc	ttactgtgtt	gcccaggctg	gtgtcaaaact	37740
cctgggctca	agcagatcct	cctgcctcag	cttcccaaag	tgggtgggatt	ataggtgtga	37800
gccactgcgc	ccagtcagta	gccccctctt	tgccccctac	tgagccctac	tggatgttct	37860
tggttgtgtg	acagtttccc	catctattaa	acagaaaccc	ctatagcaga	ggggaggatg	37920
agggttgaaa	atcaggagca	ttgttattct	attcttgtgg	gateggggaa	gcagacatct	37980
gggtggatgt	ctgggggaatg	ctgggctcag	ttgaggaagt	agggggggcc	ctggggctta	38040
cagggaactgg	aagctctgag	ctggccagag	ggatgttgca	atcctgccag	ggtcttgtct	38100
atgctgtccc	tttcacaacc	atccccctac	cgccaggctg	acacgtgggt	gtgggggcac	38160
aaggccagcc	gaactagagt	ctgaggctgg	gctgaggaca	ccctcccat	cagctgccag	38220
ggtcactggc	ggtcaaaggc	agctgggtgg	gaaggaattg	gactccagcc	ctgggggacg	38280
gatgtggtga	tgggtgggaag	caggcttgg	gccaggaggg	gcatcagagg	gtgaataaga	38340
gcagatagag	tgtttggggg	aggtagccag	ccaaaggggg	tgaggcccgg	tgggaaggaa	38400
gaaggggcat	acactcagag	ctttgcagct	gaaggtttta	attttttgag	atggggctct	38460
actctgtctc	accaggctgg	agtgcagtgg	cgcaatcaca	getcactgca	gcctcgaact	38520
cctgggctca	agcaatcttc	ctacctcagc	ctcttgaata	gctgggacta	caggtgtgcg	38580
ccaccagct	cagctaattt	ttgaactttt	ttgtagagat	gaggtctccc	tatattgcc	38640
aggctggtct	cttaactcct	gggctcaagt	gactcctctt	cctcagcttc	ccaaagcgct	38700
gggattacag	gcatgagcca	ccatgcctgg	ccaatgcagg	tgaggttttt	agtgtccagc	38760
taaggcgacc	ccttcccttt	gcaaaaaagg	gagactgaaa	atcatcaagt	taagagccca	38820
gagaatatca	gggtggtctg	ggatgtttca	agggctggtc	tgaagaaaat	tggaggtggc	38880
acgcagggca	gggttgcggg	gccaactggg	aggccccagc	aacataaagg	aaaagtgtgt	38940
ggggctgagg	aggcttgcctg	agagagggga	agtgagggaa	agaggtgatc	tagggacacg	39000
gtgtgaatga	gggggggag	agatcacagg	gttattactg	ggagaccctt	gagggagat	39060
ggccacagg	acaggacgag	gctgtcctct	gagtggggaa	aggagctatg	gtagtctgag	39120
gaacccccag	agtcagggag	attgggaggt	gaggggtctg	aatggtaaa	ggcttcggag	39180
ctaagggaaa	tggtcaggac	cccactgac	cccaacgccc	acggggccagg	ggcagaggag	39240
aaaaacctgg	gtgggcagaa	ggaggcaatc	ttccagggga	aggctcagga	ggagggagat	39300

caacatcaac	ctgccccgcc	ccctccccag	cctgataaag	gtcctgcggg	caggacagga	39360
cctcccaacc	aagccctcca	gcaaggattc	agggttggtga	gtgcttgga	gggacaccgc	39420
cctccactct	gcaagaactc	ataaaggag	atgaggggat	cgtgggagg	agggaggagg	39480
gtgccactga	tccctgaac	ccctgcctcc	gcctccagg	tgccctccg	gcctcgccat	39540
gaggtctctc	ctgtcgctcc	cggctcctgg	ggtggttctg	tcgatcgctc	tggaaggtaa	39600
aagtgggatg	ggagaattgc	ggagttggag	atttggaaga	gtgaagggtg	ctacaggcct	39660
gggggtcccg	cttagaggac	ctctgagagc	tctggggccc	cttcttggtc	gtgggtgccc	39720
cattgtggtc	gagtggtctc	ccaggttcgc	ccaggtccag	tccggcaggc	gccaatctg	39780
cccaggagag	ccctagtaac	cgatgacgta	tggatctcca	cacctctggg	attggctgtc	39840
ctccttttat	agccttgaaa	gtgggtgatg	gggcgatggg	ctgtgggagg	aggtcagtgc	39900
tgagtaaggc	aattcccagc	ggcttgagcc	ccacgcggtc	acttcagtat	cctccccatt	39960
ctaaccacat	gatccccaag	gatctcctta	tctatccccg	ggatcccacc	ccaagggggt	40020
tccaataaca	aatttttggg	ggggcggtgg	ggctaattgc	tgtaatccca	gcactttggg	40080
aggccgaggg	gggcagatca	cttgagggtca	ggagttcgaa	accagcctgg	cctacatggt	40140
gaaaccccat	ctctactaaa	aatacaaaaac	agccaggcgt	tgtggtgcgc	gcttggttac	40200
ttgggagggt	gagacaggag	aactgcttga	acctaggagg	cggagggttg	agtaagccga	40260
gatcgcaacca	tttgacacag	caagtctccg	tctcaaaaac	acaacaacaa	caacaacaa	40320
aaccaaat	tgcacccctg	cctcatcttc	ctggcaggcc	cagccccagc	ctagggggct	40380
ccagaagtct	ccaacccctt	tgatggcctg	gaggagttag	gaaagaccct	ggaggactac	40440
actcgggaat	tcatcaaccc	catcacacag	agtgaacttc	ctgccaagat	gtggttagaa	40500
cccttcccag	ggcacgggag	ggctgggggtg	tgtttgtgtg	gagccctgga	ggatgtccaa	40560
gatgaacaga	ttgaaaaaaa	aaacaagtc	cagagaggct	gacagcatcc	ttctggtcac	40620
acagctagat	ctcaaggatc	tcagacgtca	gggacagttt	cccggactcc	catccaggcc	40680
acatttttaa	agatggtctt	gggctggggc	ccgtggctca	cacctataat	cctaacactt	40740
tgggaggcct	aggcggggcg	attgcctgag	atcaggagtt	caagaccagc	ctggccaaca	40800
tggtgaaacc	ctgtctctac	taaaaatata	aaaaatttag	ctgacatggg	ggtgtgcacc	40860
tgtaatccca	gctactcggt	aggctgaggc	aggggaattg	cttgaccagg	taagggtggg	40920
gttacagtga	gccaagattg	caccactgca	ctccagcctg	ggcaacaaag	caacattccg	40980
tcacaaaaga	aaaaaaaaaa	agatggtttt	gcttaggtac	ggtggtcac	acctgtaatc	41040
ccagcactgt	gggaggattg	ctggagccta	ggagtttgag	accagcctgg	ctaactggc	41100
gagatcctgt	ctctatTTTT	TTTTTTTTTT	TTTTgagaca	gagtctcgct	ctgttgccca	41160
ggctggagtg	cagtggcgcc	atctcggtc	actgcaacct	ctgcctcccc	agttcaagca	41220
attctctgcc	tcagtctcct	gagtagctag	gattacaggc	gcccaccacc	acgcccggct	41280
aatTTTTTTT	tattTTTTag	agagatgggg	tttcaccatc	ttggccaagc	tggctctgaa	41340
ctcctgacct	tgtgatccac	cgcctcagc	ctccaaagt	gctgggatta	caggtgtgag	41400
ccaccatgcc	cggtgatcct	gtctctatTT	aaaaaacaaa	acaaaacaaa	acaaaacaaa	41460
aagcatacaa	gccagccccg	gtgcgatact	catgcctgta	atcccagcac	tttgggaggc	41520
tgagtccggc	agattacctg	agatcggggg	ttcgaggcca	agttgggcag	atcacctgag	41580
gttgggagtt	tgagaccagc	ctgaccaaca	tggagaaact	ccgtctctat	taaaaatata	41640
aaattagtea	ggcatggtgg	tgcagcctc	tattcccagc	tacttgggag	gctgaggcag	41700
gagaatcact	tgaacctggg	aggcggagg	tgcagtgagc	tgagataatg	ccattgcact	41760
ccagcctggg	caataagagc	gaatccacgt	ctcaaaaaaa	aaaaaaaaaa	ttgaaaaaaa	41820
aaaagatggg	cttgtggggg	aatgaaggac	acaagcttgg	tgggacctga	gtccccaggc	41880
tggcatagag	ccccttactc	cctgtgt				41907

<210> 6

<211> 55

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 6

caccgcttgc cccagaaatg gaggagggtg tctgtattac tgggcgaggt gtcct

55

<210> 7

<211> 55
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 7
 aggacacctc gccagtaat acagacaccc tctccattc tgggggcaag cggtg 55

<210> 8
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 8
 gtctgtacgc gtaggtaaga cccccgttc 29

<210> 9
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 9
 cttgccccca gaatggatgc gcatgtctgt attactgggc gaggtgtcct 50

<210> 10
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 10
 aggacacctc gccagtaat acagacatgc gcatccattc tgggggcaag 50

<210> 11
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 11
 nnnnnnggatg nnnnnnnnnnn nnnnnnnnnnn 30

<210> 12
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 12
 nnnnnnnnnn nnnnnnnnnn cagccnnnnn

30

<210> 13
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 13
 nnnnnntgcg cannnnnn

18

<210> 14
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 14
 nnnnnntgcg cannnnnn

18

<210> 15
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 15
 caccgcttgc cccagaatg gaggagggtg tctgtattac tgggcgaggt

50

<210> 16
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 16
 acctgcccc gtaatacaga caccctctctc cattctgggg gcaagcgggtg 50

<210> 17
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 17
 gtctacgcgt aggggtggagg aggtaagacc cccgttc 37

<210> 18
 <211> 53
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 18
 cttgccccca gaatggagga ggatgcgag gtgtctgtat tactgggcca ggt 53

<210> 19
 <211> 53
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 19
 acctgcccc gtaatacaga cacctgcgca tcctctcca ttctgggggc aag 53

<210> 20
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 20
 cgcctatggc tggagttgag ctagcaagac caaaaggatt tataaacttc 50

<210> 21
 <211> 50

<212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 21
 gaagtttata aatccttttg gtcttgctag cgcaactcca gccataggcg 50

<210> 22
 <211> 44
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 22
 atttaggaaa gtgcacgtga cagaacgata gcgttgaggt cggt 44

<210> 23
 <211> 53
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 23
 tggctggagt tgcgctagca agacgtgcag ctgcaaaagg atttataaac ttc 53

<210> 24
 <211> 53
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 24
 gaagtttata aatccttttg cagctgcacg tcttgctagc gcaactccag cca 53

<210> 25
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 25
 cgcctatggc tggagttgag ctagcaagac caaaaggatt tataaacttc 50

<210> 26
 <211> 50
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 26
 gaagtttata aatccttttg gtcttgctag cgcaactcca gccataggcg 50

<210> 27
 <211> 45
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 27
 atttaggtag gtgcgcgaaa ccagaacgat cgcgttgagg tcggt 45

<210> 28
 <211> 59
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 28
 cgcctatggc tggagttgcg ctagcaagac cacagctgga tgaaggattt ataaacttc 59

<210> 29
 <211> 59
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 29
 gaagtttata aatccttcat ccagctgtgg tcttgctagc gcaactccag ccataggcg 59

<210> 30
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 30
 cttgccccca gaatggagga ggatgcgag gtgt 34

<210> 31
 <211> 38
 <212> DNA
 <213> Artificial Sequence

<220>

<223> exemplary motif

<400> 31

acagacacct ggcatacctc ctccattctg ggggcaag

38

<210> 32

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 32

cttgccccca gaatggagga ggatgcgcag gtgtctgt

38

<210> 33

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<221> misc_feature

<222> (1)...(44)

<223> n = A,T,C or G

<400> 33

nnnnnnnnnn nnnnnnccgan nnnnntgcnn nnnnnnnnnn nnnn

44

<210> 34

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<221> misc_feature

<222> (1)...(44)

<223> n = A,T,C or G

<400> 34

nnnnnnnnnn nnnnnngcan nnnnntcggn nnnnnnnnnn nnnn

44

<210> 35

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<221> misc_feature

<222> (1)...(34)

<223> n = A,T,C or G

<400> 35
 nnnnnnnnnn cgannnnnnt gcnnnnnnnn nnnn 34

 <210> 36
 <211> 34
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

 <400> 36
 nnnnnnnnnn nngcannnnn ntcgnnnnnn nnnn 34

 <210> 37
 <211> 38
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

 <400> 37
 gtctgtaggc tgaggtggag gaggtaagac ccccgttc 38

 <210> 38
 <211> 54
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

 <400> 38
 cttgccccca gaatggagga gagtcggatg ggtgtctgta ttactgggcg aggt 54

 <210> 39
 <211> 54
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> exemplary motif

 <400> 39
 acctgcccc gtaatacaga caccatccg actctctccc attctggggg caag 54

 <210> 40
 <211> 33
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 40
 gtctgtaggg tggaggaggt aagacccccg ttc 33

<210> 41
 <211> 49
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 41
 cttgccccca gaatggagga ggatgggtgt ctgtattact gggcgaggt 49

<210> 42
 <211> 49
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 42
 acctcgccca gtaatacaga cacccatcct cctccattct gggggcaag 49

<210> 43
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 43
 atctggannn nnnnnnnnnt cc 22

<210> 44
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 44
 atctggannn nnnnnnnnnt ccagat 26

<210> 45
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 45
 atctggannn nnnnnnnnnt ccagat

26

<210> 46
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 46
 atctggannn nnnnnnnnnt ccggat

26

<210> 47
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 47
 atctggannn nnnnnnnnnt ccagat

26

<210> 48
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 48
atccggannn nnnnnnnnnt cc 22

<210> 49
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 49
atccggannn nnnnnnnnnt ccagat 26

<210> 50
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 50
atctggannn nnnnnnnnnt ccgat 26

<210> 51
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 51
atccggannn nnnnnnnnnt ccgat 26

<210> 52
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 52
atccggannn nnnnnnnnnnt ccggat

26

<210> 53
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 53
tagacctnnn nnnnnnnnna ggtcta

26

<210> 54
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 54
tagacctnnn nnnnnnnnna ggccta

26

<210> 55
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 55
taggcctnnn nnnnnnnnna ggtcta

26

<210> 56
<211> 26
<212> DNA
<213> Artificial Sequence

<220>

<223> exemplary motif

<221> misc_feature

<222> (1)...(26)

<223> n = A,T,C or G

<400> 56

taggcctnnn nnnnnnnnna ggccta

26

<210> 57

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 57

acacagactc atgcaactct g

21

<210> 58

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 58

acgcagactc atgcaactct g

21

<210> 59

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 59

actcatgcaa ctctg

15

<210> 60

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 60

actcatgcaa ctctgygttc cacttcggcc aagaa

35

<210> 61

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 61

ttcttggccg aagtggaacr cagagttgca ttagt

35

<210> 62

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 62

gtggaacaca gagttgcatg agt

23

<210> 63

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 63

gtggaacgca gagttgcatg agt

23

<210> 64

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 64

actcatgcaa ctctgtgttc cac

23

<210> 65

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 65

actcatgcaa ctctgcgttc cac

23

<210> 66

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 66

acgcagactc atgcaactct gtgttccac

29

<210> 67

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 67

gtggaacaca gagttgcatg agtc

24

<210> 68

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 68

acgcagactc atgcaactct gcgttccac

29

<210> 69

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 69

gtggaacgca gagttgcatg agtc

24

<210> 70

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 70

acacagactc atgcaactct gtgttccac

29

<210> 71

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 71
gtggaacaca gagttgcatg agtt

24

<210> 72
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 72
acacagactc atgcaactct gcgttccac

29

<210> 73
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 73
gtggaacgca gagttgcatg agtt

24

<210> 74
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 74
gtggaacaca gagttgcatg ag

22

<210> 75
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 75
gtggaacgca gagttgcatg ag

22

<210> 76
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 76

gcaggccccg ctgggcgcgg acatggagga cgtgtgcggc cgcctggtgc agtaccgc 58

<210> 77
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 77
 gcggtactgc accaggcggc cgcacacgtc ctccatgtcc gcgccagcc gggcctgc 58

<210> 78
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 78
 gtgcagacgc gtagggagta caggcgcggg tcggccc 37

<210> 79
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 79
 ggcgaggtgc aggccatgct cggccagagc accgaggagc tgcgggtgcg cctcgcct 58

<210> 80
 <211> 58
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 80
 aggcgaggcg caccgcagc tcctcgggtgc tctggccgag catggcctgc acctcgcc 58

<210> 81
 <211> 56
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> exemplary motif

<400> 81
 ccacctgcgc aagctgcgta agcggctcct ccgcgatgcc gatgacctgc agaagc 56

<210> 82
<211> 56
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 82
gcttctgcag gtcacggca tcgcggagga gccgcttacg cagcttgccg aggtgg 56

<210> 83
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 83
ggctactgga cgtcttcg 18

<210> 84
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 84
cccggctggg cgcggacatg ggatgcgcaa ggacgtgtgc ggccgcctgg tgcagtac 58

<210> 85
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 85
gtactgcacc aggcggccgc acacgtcctt gcgcacccca tgtccgcgcc cagccggg 58

<210> 86
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> exemplary motif

<400> 86
cgcggcgagg tgcaggccat gctcggccag agcaccgagg agctgcgggt gcgcctcg 58

<210> 87
<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 87

cgaggcgcac ccgcagctcc tcggtgctct ggccgagcat ggccctgcacc tcgccgcg 58

<210> 88

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 88

cctccacctg cgcaagctgc gtaagcggct cctccgcgat gccgatgacc tgcagaagc 59

<210> 89

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 89

gcttctgcag gtcacggca tcgcggagga gccgcttacg cagcttgccg aggtggagg 59

<210> 90

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 90

cccggctggg cgcggacatg ggatgcgcaa ggacgtgcgc ggccgcctgg tgcagtac 58

<210> 91

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> exemplary motif

<400> 91

gtactgcacc aggcggccgc gcacgtcctt ggcacatccca tgtccgcgcc cagccggg 58